



# MINOS+ Status Report



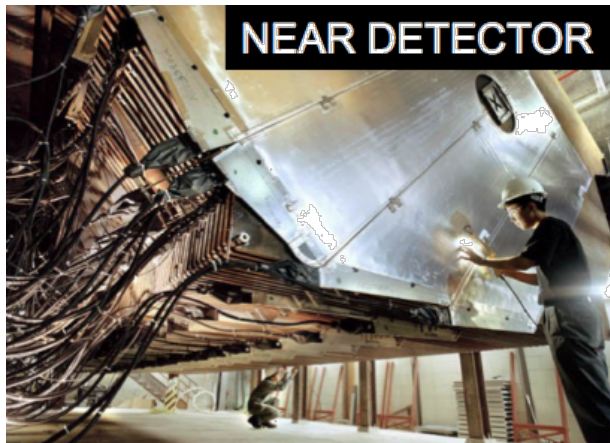
Donatella Torretta  
All Experimenters' Meeting  
March 28, 2016



# Near Detector



## DAQ



- NO issues: ran well the whole week

## Electronics/Detector issues

- Still getting warnings from two fan packs
  - procured working spares
  - we'll replace them at the next opportunity ( need  $\geq 3$  hours downtime)
- Two hot channels
  - we'll replace the Minder boards this Wednesday



# Far Detector

## DAQ

- No issues: ran well the whole week

## Electronics/Detector news

- No hardware issues
- Taking CI special runs during beam downtimes





# MINOS+ Status



Start Date/Time	End Date/Time	Near Detector		Far Detector	
		POT Fraction	Live Time Fraction	POT Fraction	Live Time Fraction
1/4/2016 00:00:00	1/11/2015 00:00:00	97.5%	97.1%	99.8%	99.8%
1/11/2016 00:00:00	1/18/2016 00:00:00	81.0%(&)	71.5%(&)	92.1%	96.5%
1/18/2016 00:00:00	1/25/2016 00:00:00	97.1%	97.3%	99.7%	99.8%
1/25/2016 00:00:00	2/1/2016 00:00:00	98.8%	97.2%	98.7%	96.5%
2/1/2016 00:00:00	2/8/2016 00:00:00	99.1%	99.8%	87.2%	86%
2/8/2016 00:00:00	2/15/2016 00:00:00	99.4%	88.2%(#)	99.2%	88.3%(#)
2/15/2016 00:00:00	2/22/2016 00:00:00	86%	87%(*)	95%	96%
2/22/2016 00:00:00	2/29/2016 00:00:00	98%	98%	99%	98%
2/29/2016 00:00:00	3/07/2016 00:00:00	91.7%	73%(!!)	92%	92%(!!)
3/07/2016 00:00:00	4/14/2016 00:00:00	99%	95.2%	99.9%	99.7%
3/14/2016 00:00:00	3/28/2016 00:00:00	99.3%	96.5%	99.8%	99.5%
3/21/2016 00:00:00	3/28/016 00:00:00	99.7%	99.7%	99.8%	99.8%

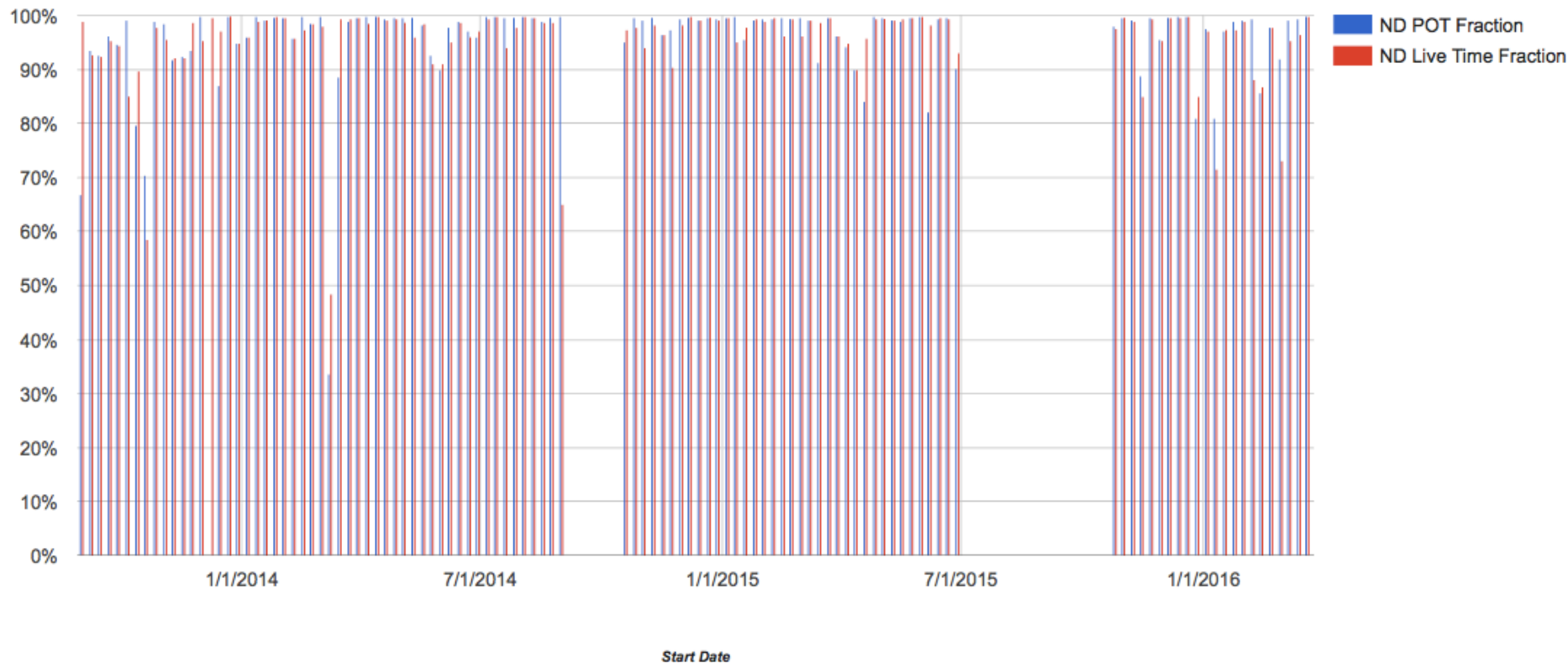
(&) Numi Breaker power glitches (#) GPS/Timing issues (\*) Ntp config file  
overwritten (!! ND GPS Timing issues



# MINOS+ ND Status

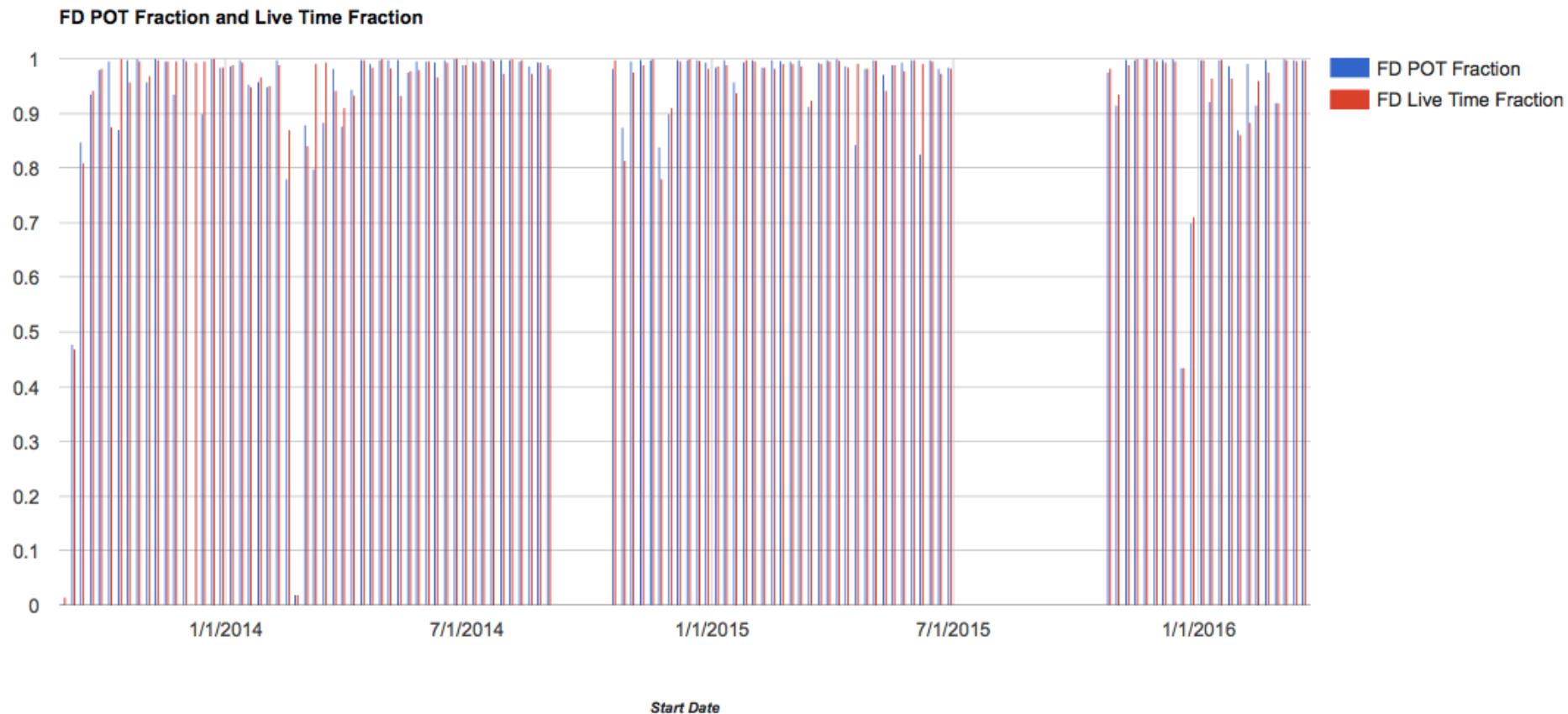


ND POT fraction and Live Time Fraction





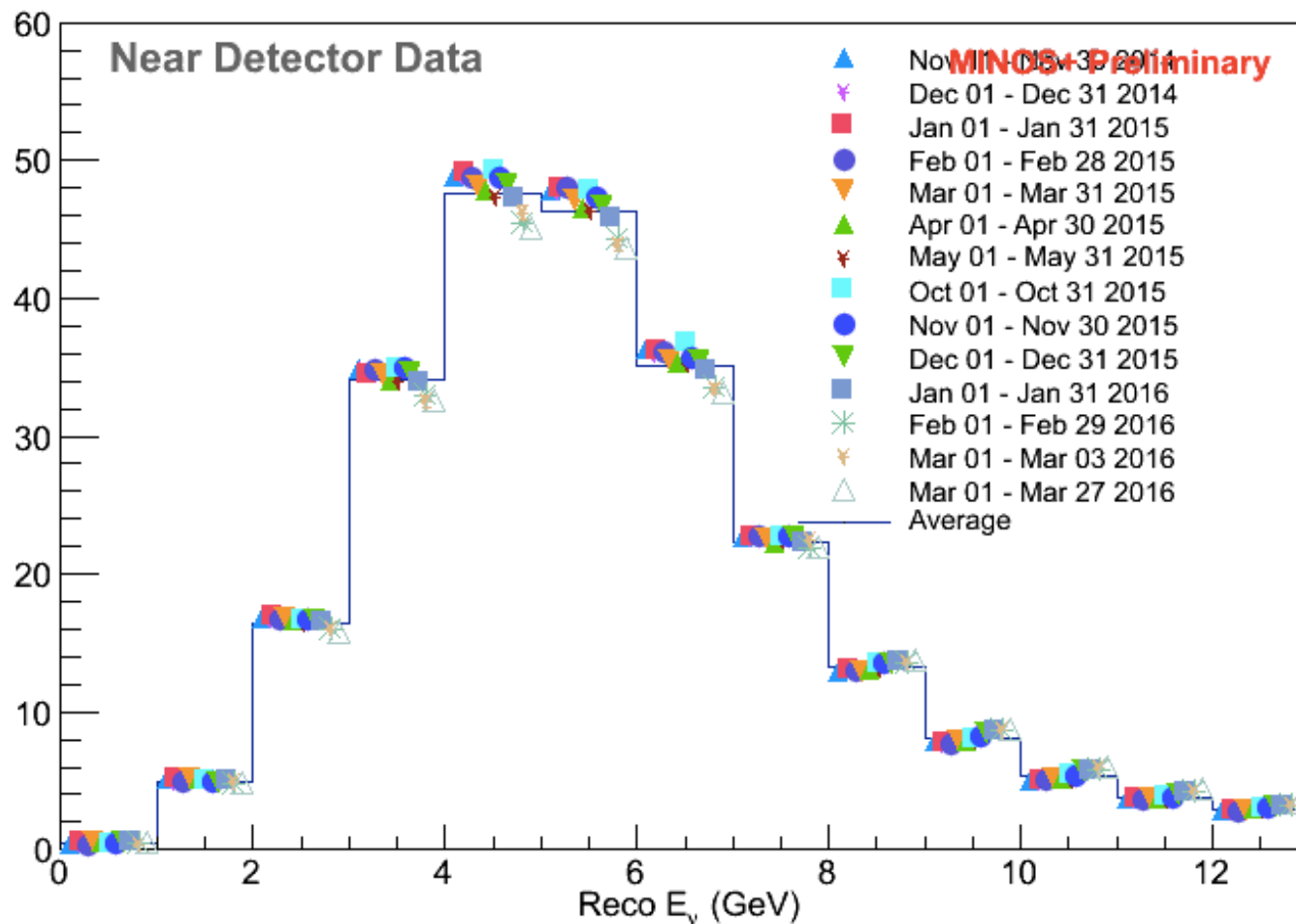
# MINOS+ FD Status





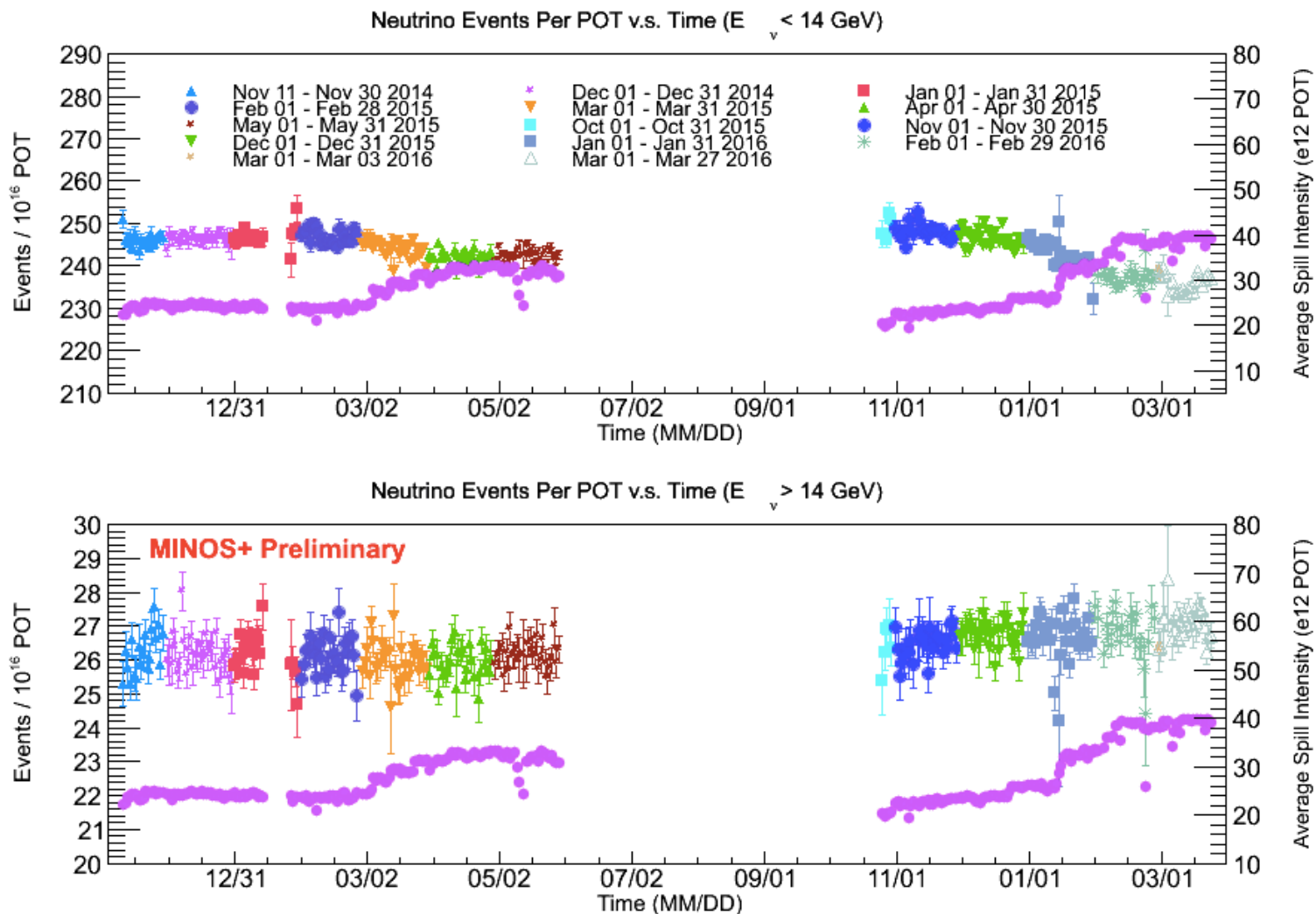
# Energy Spectrum

Neutrino Energy Spectrum Stability (PQ and NQ)





# Events/POT + Intensity



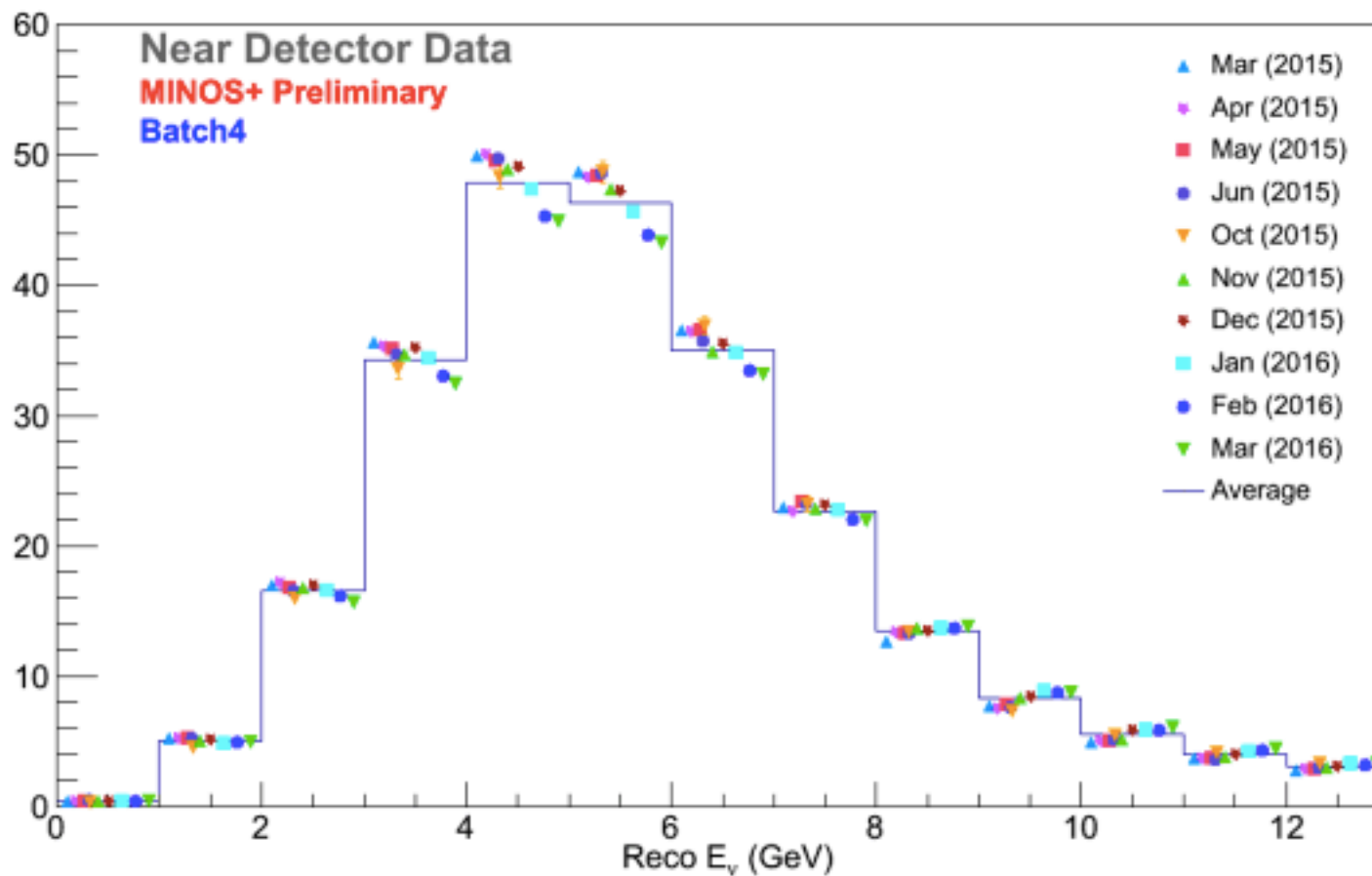




# Energy Spectrum (batch #4)

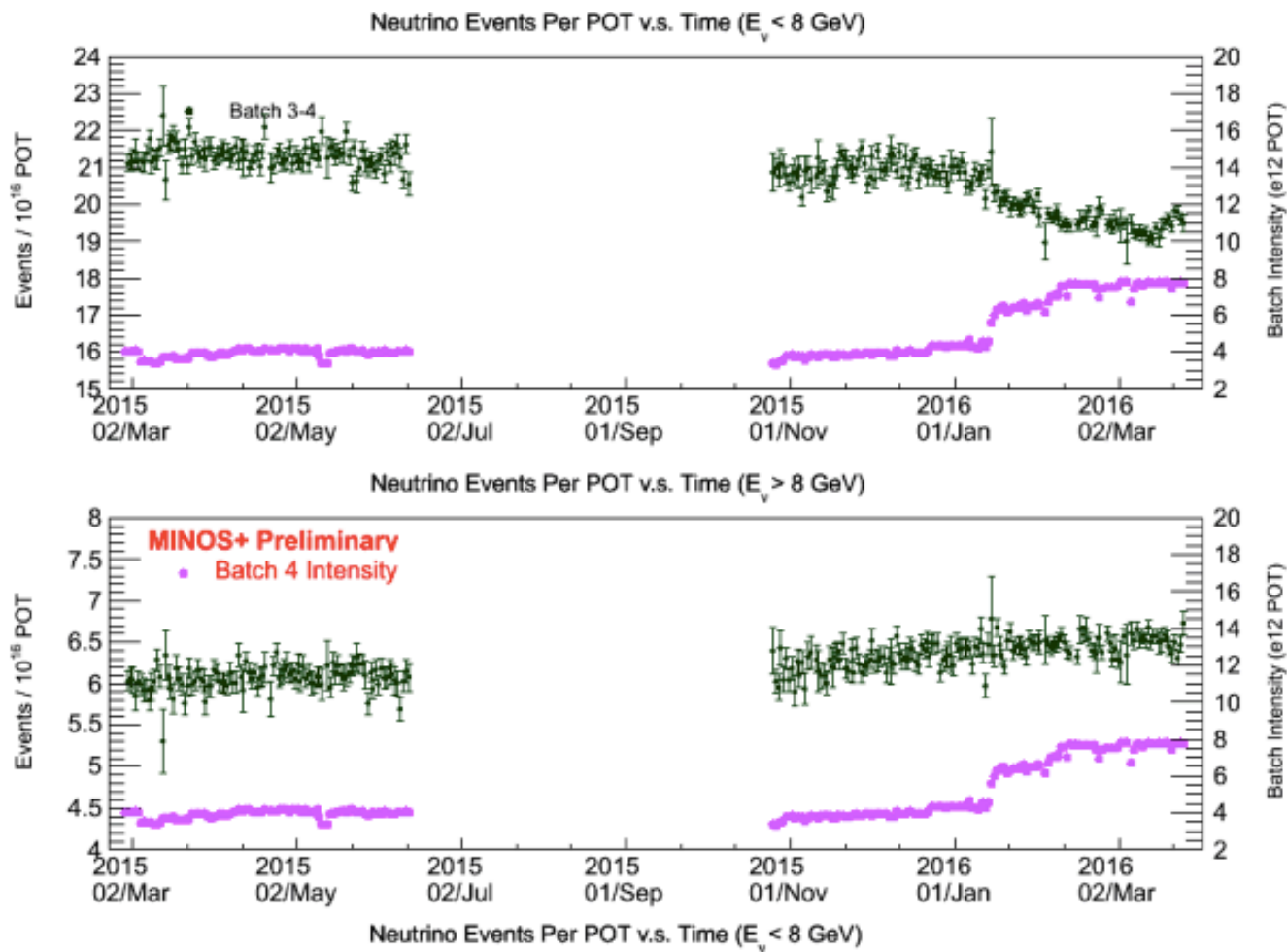


Neutrino Energy Spectrum Stability





# Events/POT + Intensity(batch #4)

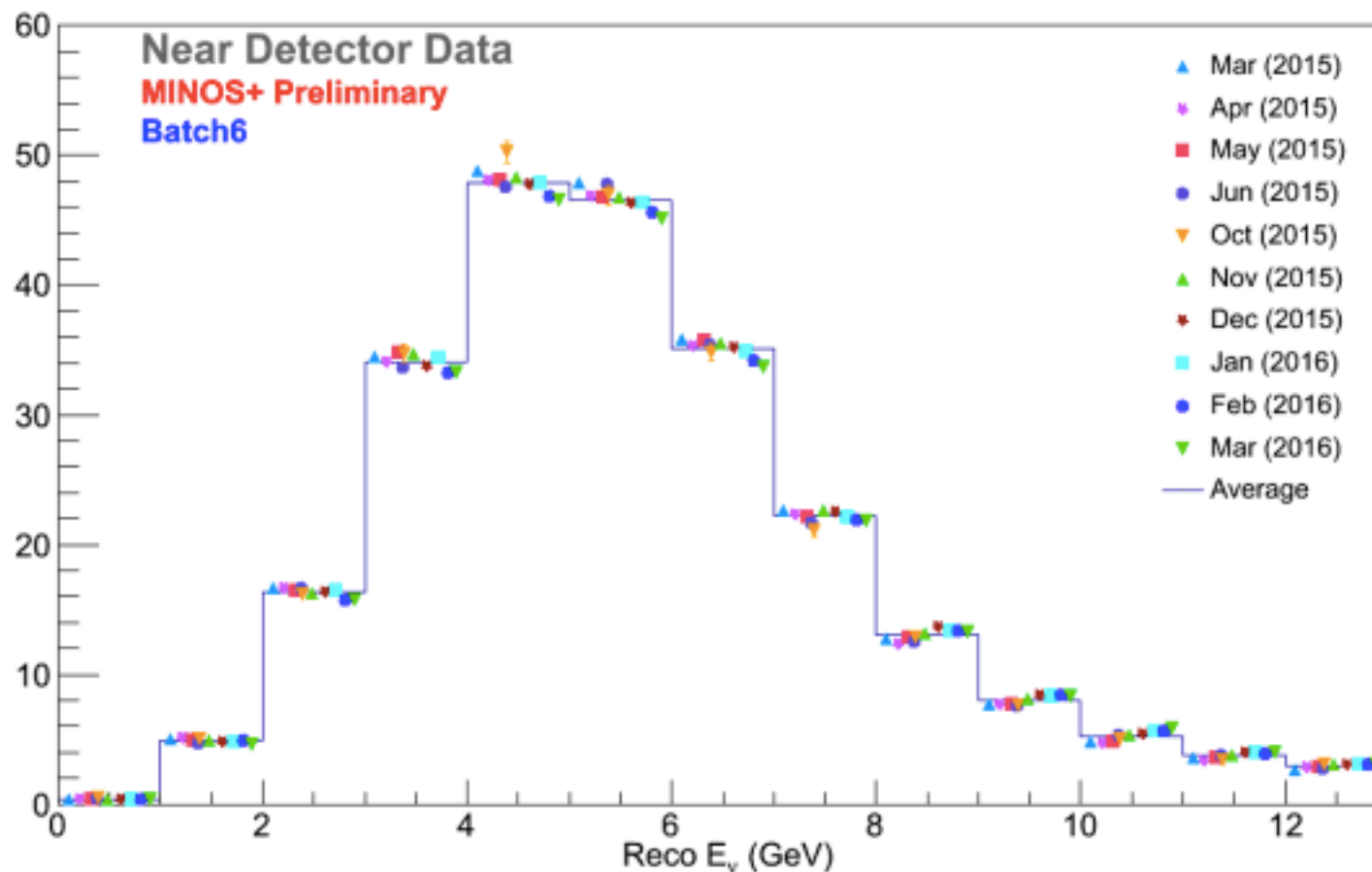




# Energy Spectrum (batch #6)



Neutrino Energy Spectrum Stability





# Events/POT + Intensity(batch #6)

